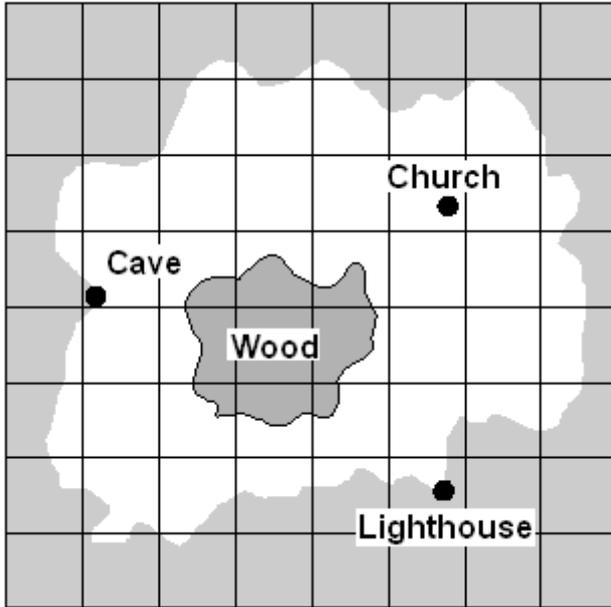


Level 4

[WORD PROBLEMS]

Solve the following level 4 word problems.

1. Here is a map of an island.



Estimate the area of the **Wood**.



1 mark

A boat can safely carry 145 kilograms.



Name	Mary	Ann	John	Bob	Huw	Kate
Weight in kg	59.5	41.1	39.8	80.3	28.2	32.1

Work out if the boat can **safely** carry Mary **and** Bob.

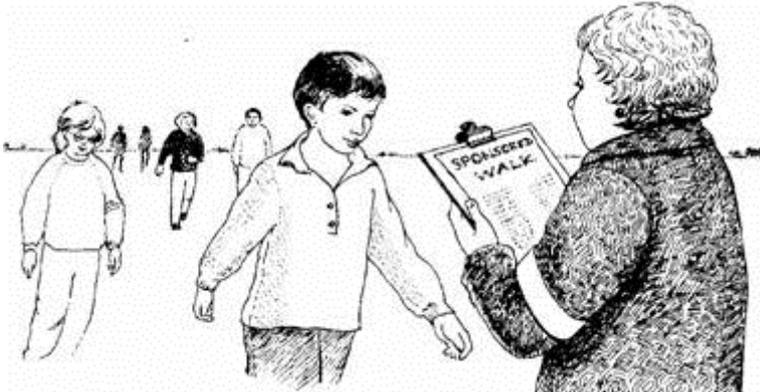
You **must** show your working.



Show your **working**.
You may get a mark

1 mark

Q2. Some children do a sponsored walk.



Jason is sponsored for **£3.45** for each lap.
He does **23 laps**.

How much money does he raise?

→

1 mark

Lynne wants to raise **£100**.

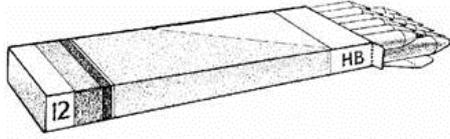
She is sponsored for **£6.50** for each lap.

What is the **least** number of **whole laps** she must do?

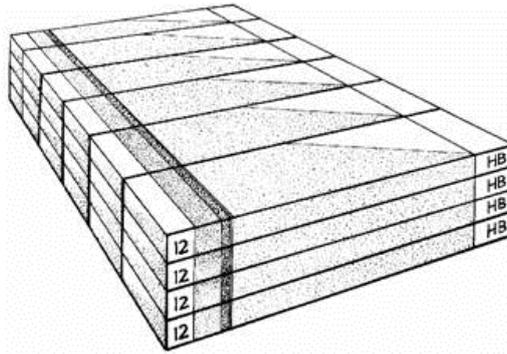
→

1 mark

Q3. There are **12 pencils** in a box.



A school buys **24 boxes**.



How many **pencils** does the school buy?

A large rectangular box for showing working. In the top-left corner, there is a small pencil icon. On the left side, there is a speech bubble containing the text: "Show your **working**. You may get a mark". An arrow points from the right side of the speech bubble towards the center of the box. In the bottom-right corner of the box, there is a smaller empty rectangular box for the final answer.

2 marks

Q4. Emma saves £3.50 each week.

How much has she saved after 16 weeks?

£

1 mark

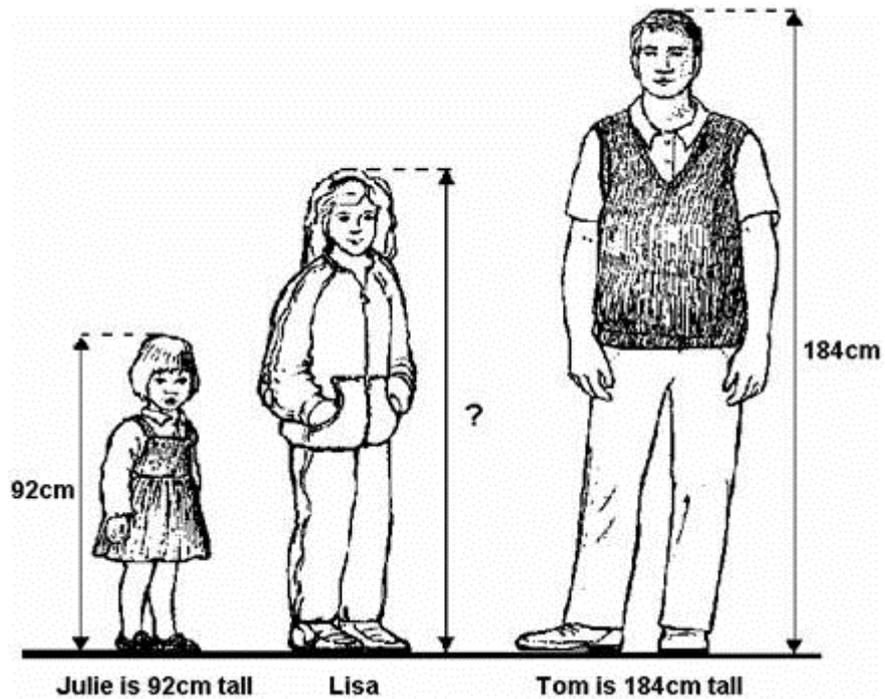
Q5. A spoonful is 5ml.



How many spoonfuls can you get from this bottle?

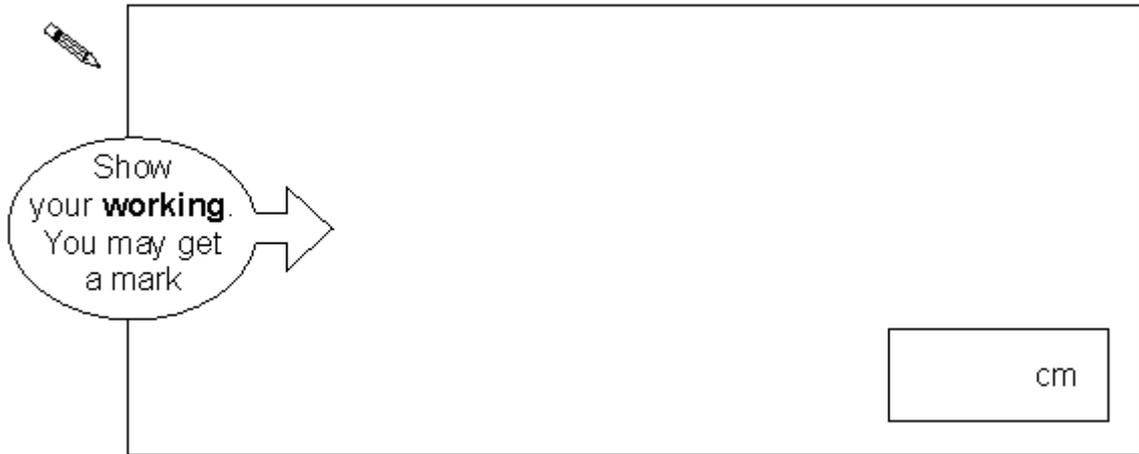
1 mark

Q6. Here is a picture of three people.



Lisa's height is **half-way between** Julie's height and Tom's height.

Calculate Lisa's height.

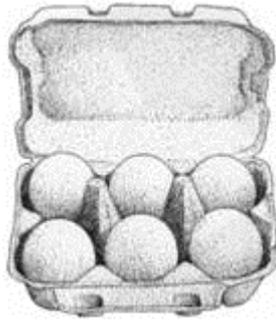


Show your **working**.
You may get a mark

cm

2 marks

Q7. A box holds 6 eggs.



How many boxes are needed to hold 52 eggs?

1 mark

Q8. There are 104 children at Delton School

48 children are girls

(a) How many are boys?

1 mark

(b) Explain how you worked this out.

Q9.



Nadia is working with **whole** numbers.

She says,

'If you add a two-digit number to a two digit number you cannot get a four-digit number'.

Is she correct? Circle Yes or No.

Yes / No

Explain why.

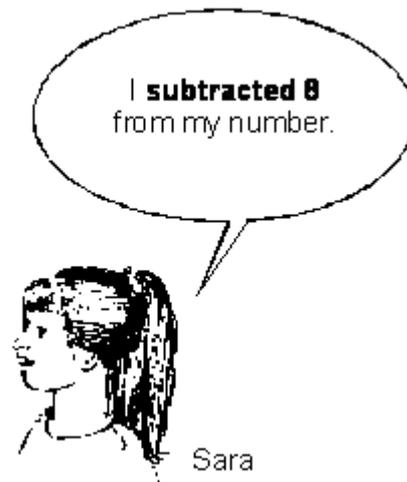
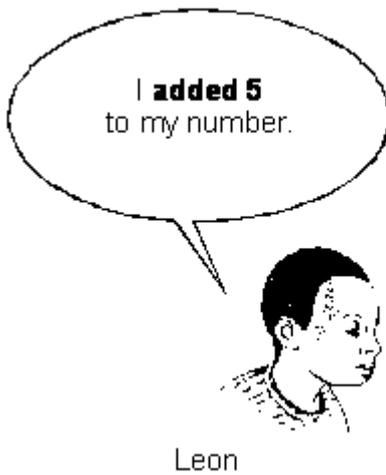
.....

.....

.....

1 mark

Q10. Leon and Sara each started with **different** numbers.



Leon and Sara both get the **same** answer.

What numbers could they have started with?

Leon

Sara

1 mark

Q12.

Book Sale
Any 3 books for £14.50



Lee bought **these three** books in the sale for **£14.50**

How much money did he save altogether compared to the **full price** of the books?



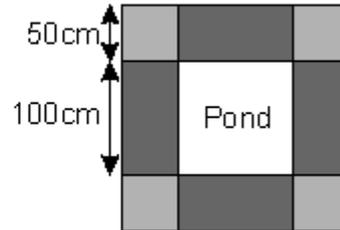
Show your **working**.
You may get a mark

£

2 marks

Q13. Mr Singh buys paving slabs to go around his pond.

PAVING SLABS	
<p>£1.95 each</p> 	<p>Square slabs 50cm by 50cm</p>
<p>£3.50 each</p> 	<p>Rectangular slabs 100cm by 50cm</p>



He buys 4 rectangular slabs and 4 square slabs.

What is the total cost of the slabs he buys?



Show your **working**.
You may get a mark

£

2 marks

Mr Singh says,

‘It would cost more to use square slabs all the way round’.

Explain why he is correct.

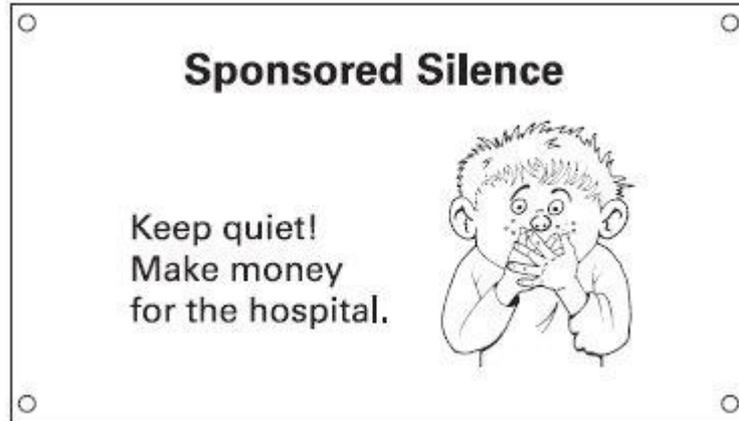


.....

.....

1 mark

Q14. Two children take part in a sponsored silence.



Laura

'I kept quiet from 10:30 to 10:35 in the morning. I got £3.42 a minute.'



Carl

'I kept quiet for half an hour. I got 35p a minute.'

How much money did each child get?

Carl £

Laura £

2 marks

Q15. Asim and Mike both buy **12** cans of lemonade.



pack of 4 cans
£1.20

Asim buys 3 packs of 4 cans.



pack of 6 cans
£1.70

Mike buys 2 packs of 6 cans.

Mike says to Asim,

'You paid 50p more than me'.

Is Mike correct?

Circle **Yes** or **No**.

Handwritten mark Yes / No

Explain how you know.

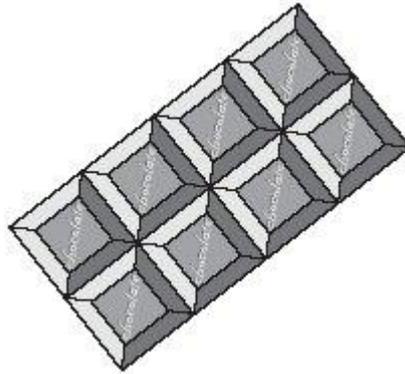
Handwritten mark

.....

.....

1 mark

Q16. Here is a chocolate bar.



William eats 3 pieces and Amber eats 2 pieces.

What **fraction** of the chocolate bar **remains**?

Handwritten arrow →

1 mark

Q17. Parveen has the **same number** of 20p and 50p coins.

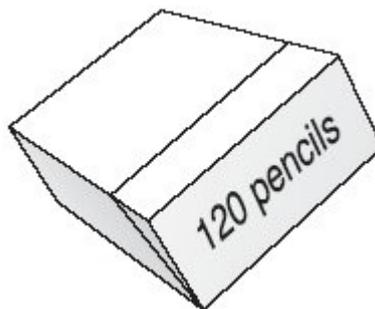
She has £7.00

How many of **each** coin has she?

Handwritten arrow →

1 mark

Q18. Miss Wood's class had 120 pencils at the start of the year.



12 children use 5 pencils each.

11 children use 4 pencils each.

How many pencils are left at the end of the year?

Show your **working**.
You may get a mark

pencils

2 marks

Q19.



The temperature **inside** an aeroplane is **20 °C**.

The temperature **outside** the aeroplane is **-30 °C**.

What is the **difference** between these temperatures?

degrees

1 mark

Q20. These are the prices in a fish and chip shop.

Fish.....	£1.95
Chips	small bag.....55p
	large bag.....70p
Peas.....	38p

Luke has **£3**

He wants to buy one fish, peas and two large bags of chips.

How much **more** money does he need?



Show your **working**. You may get a mark

2 marks

Q21.



A bottle holds **1 litre** of lemonade.

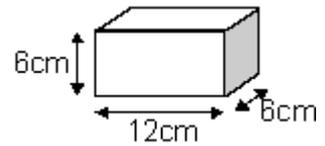
Rachel fills **5** glasses with lemonade.

She puts **150 millilitres** in each glass.

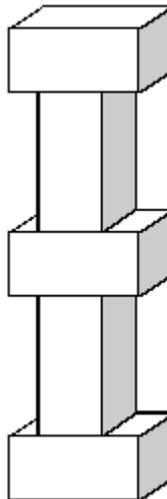
How much lemonade is left in the bottle?

2 marks

Q22. Martin has some bricks.
They are 12cm long, 6cm high and 6cm deep.



He builds this tower with **five** bricks.

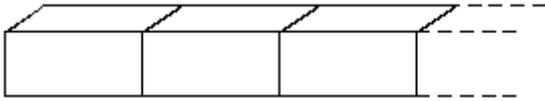


How tall is the tower?



1 mark

Each brick is 12cm long.
Martin makes a line of bricks **132cm long**.



How many bricks does he use?



1 mark

Q23. Here are three supermarket bills.

apple	1.99
orange	1.49
banana	1.95
strawberry	1.00
chocolate	0.99
ice cream	1.99
mint	1.97
soft	1.99
curry	1.99
potato	1.99
Total £74.88	

apple	1.99
orange	1.49
banana	1.95
strawberry	1.00
chocolate	0.99
ice cream	1.99
mint	1.97
soft	1.99
curry	1.99
potato	1.99
Total £65.90	

apple	1.99
orange	1.49
banana	1.95
strawberry	1.00
chocolate	0.99
ice cream	1.99
mint	1.97
soft	1.99
curry	1.99
potato	1.99
Total £59.05	

Tom rounds each bill **to the nearest £10** and then adds them up.

What is the total amount that Tom gets?

 £

1 mark

Mary adds up the three bills **exactly**.

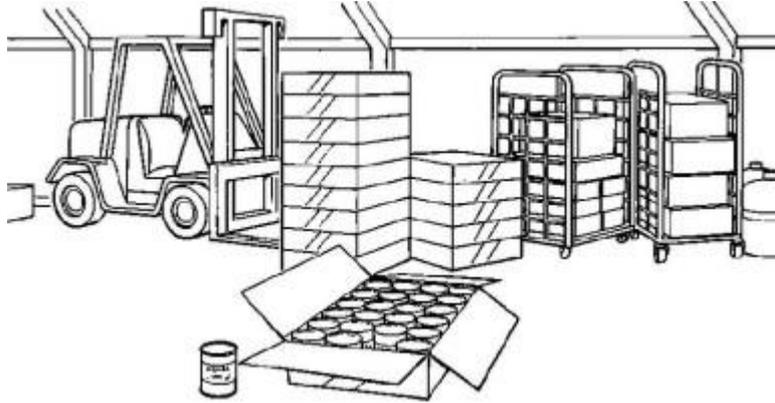
What is the total difference between her total and Tom's total?



Show your **working**.
You may get a mark

2 marks

Q24.



In a supermarket storeroom there are

7 boxes of tomato soup

5 boxes of pea soup

4 boxes of chicken soup

There are **24 tins** in every **box**.

How many **tins** of soup are there **altogether**?

 Show your **working**. You may get a mark 

2 marks

Q25. A shop sells three types of sunglasses.

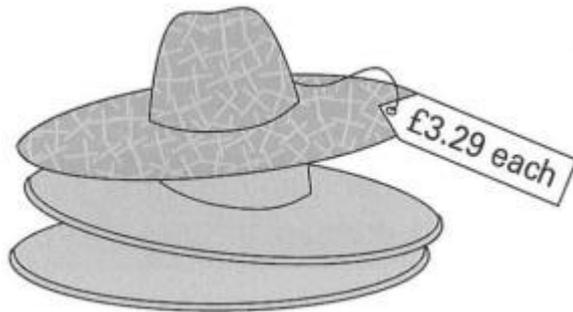


What is the **difference** in price between the **most** expensive and **least** expensive sunglasses?

 £

1 mark

The shop also sells sun hats.



Ryan buys the **£4.69 sunglasses** and a **sun hat**.

How much change does he get from **£10**?



Show your **working**.
You may get a mark

2 marks

Q26.



Sapna and Robbie have some biscuits.

Altogether they have **14** biscuits.

Sapna has **2 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

 **Sapna** **Robbie**

1 mark

Q27. Josh thinks of a number.



He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90

What number did Josh start with?

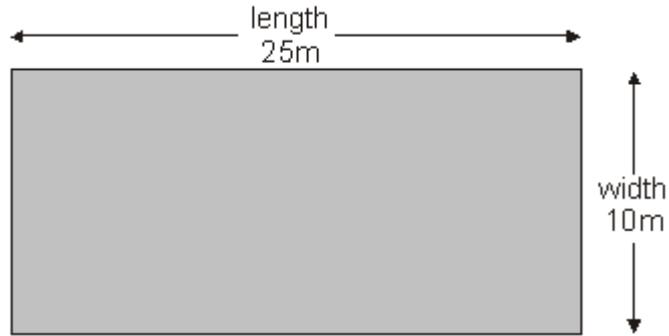


1 mark

Q28.



A rectangular swimming pool is 25 metres long and 10 metres wide.



David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

Show your **working**.
You may get a mark

metres

2 marks

Q29. Hassan scores 40 out of 80 in a test.

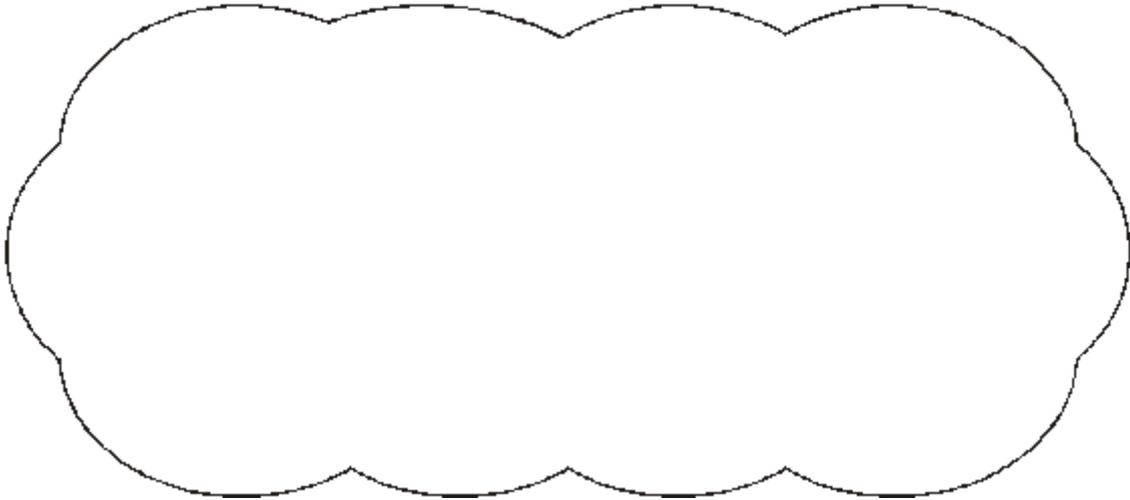
Kate scores 40% in the same test.

Who has the higher score?

Circle **Hassan** or **Kate**.

Hassan / Kate

Explain how you know.



1 mark

Q30.



Kate and Jamie each have some money.

Altogether they have **£1.50**

Kate gives Jamie **10p** so that they both have the same amount.

How much money did each have at the start?

 Show your **working**. You may get a mark 

Kate had p Jamie had p

2 marks

Q31. Jamie, Kate and Hassan run a 50m race.



Kate's time is 13 seconds.

Jamie finishes 5 seconds before Kate.

Hassan finishes 3 seconds after Jamie.

What is **Hassan's time** in seconds?



1 mark

Q32. A torch costs £7.65

Kate buys a torch and **two** batteries.



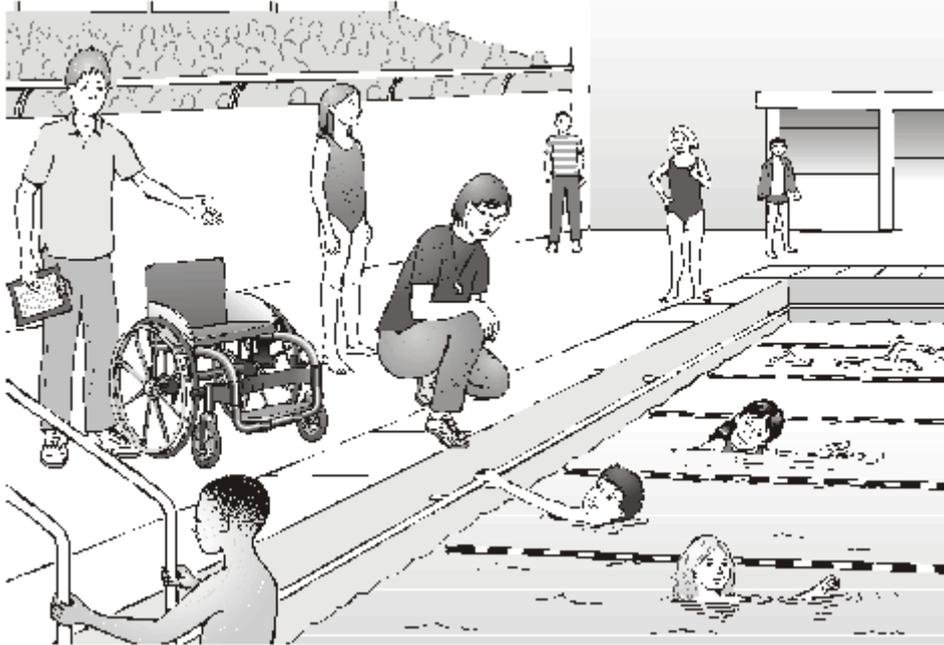
She pays £8.75 altogether.

How much does **one** battery cost?



Show your **working**.
You may get a mark

Q33.



Emily, Ben and Nisha take part in a sponsored swim to collect money for charity.

Emily collects £2.75 **more** than Nisha.

Ben collects £15

Nisha collects £7 **less** than Ben.

Altogether how much money do the three children collect?



Show your **working**.
You may get a mark 

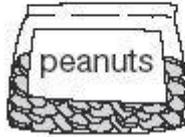
£

2 marks

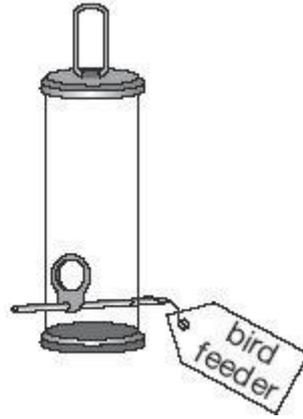
Q34. A shop sells food for birds.



£3.79 for
a bag



£1.35 for
a bag



£8.95
each

Lara has £10 to spend on peanuts.

How many bags of peanuts can she get for £10?

Handwritten mark

1 mark

Amir has £20

He wants to buy a bird-feeder and 4 bags of bird seed.

How much **more** money does he need?

Handwritten mark

Show your **method**.
You may get a mark.

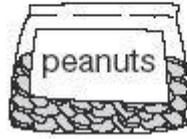
£

2 marks

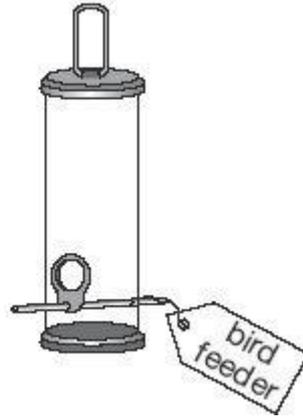
Q35. A shop sells food for birds.



£3.79 for
a bag



£1.35 for
a bag



£8.95
each

Lara has £10 to spend on peanuts.

How many bags of peanuts can she get for £10?

Lara

1 mark

Amir has £20

He wants to buy a bird-feeder and 4 bags of bird seed.

How much **more** money does he need?

Lara

Show
your **method**.
You may get
a mark.

£

2 marks